Author Index

Admiraal, W., see Kraak, M.H.S., 77
Alatalo, P., see Moore, M.J., 183
Albaigés, J., see Solé, M., 271
Andréasson, M. and Dave, G., Toxicity of bile from fish exposed to PCP-spiked sediment, 171
Andreozzi, U., see Gozzo, S., 1

Baird, D.J., see Barber, I., 249
Balm, P.H.M., see Pelgrom, S.M.G.J., 117
Barber, I., Baird, D.J. and Calow, P., Effect of cadmium and ration level on oxygen consumption, RNA concentration and RNA-DNA ratio in two clones of *Daphnia magna* Straus, 249
Blust, R., Van Ginneken, L. and Decleir, W., Effect of temperature on the uptake of copper by the brine shrimp, *Artemia franciscana*, 343
Bonga, S.E.W., see Stouthart, A.J.H.X., 137

Bonga, S.E.W., see Pelgrom, S.M.G.J., 117 Bosveld, A.T.C., see Murk, A.J., 91 Braunbeck, T., see Triebskorn, R., 189 Braunbeck, T., see Triebskorn, R., 199 Brewer, A., see Engwall, M., 311 Brouwer, A., see Murk, A.J., 91 Brunström, B., see Engwall, M., 311

Calow, P., see Barber, I., 249
Coles, J.A., Farley, S.R. and Pipe, R.K., Effects of fluoranthene on the immunocompetence of the common marine mussel, *Mytilus edulis*, 367

Dave, G., see Andréasson, M., 171 de Groot, C.J., see Kraak, M.H.S., 77 Decleir, W., see Blust, R., 343 den Berg, M.v., see Murk, A.J., 91 Dietrich, D.R., see Tencalla, F.G., 215

Eddy, F.B., see Twitchen, I.D., 27

Elmarakby, S.A., see Steward, A.R., 225

Engwall, M., Brunström, B., Brewer, A. and Norrgren, L., Cytochrome P450IA induction by a coplanar PCB, a PAH mixture, and PCB-contaminated sediment extracts following microinjection of rainbow trout sac-fry, 311

Farley, S.R., see Coles, J.A., 367 Flemming, J., see Triebskorn, R., 189

Gälli, R., Rich, H.W. and Scholtz, R., Toxicity of organophosphate insecticides and their metabolites to the water flea *Daphnia magna*, the Microtox test and an acetylcholinesterase inhibition test, 259

Garritsen, J.A.M., see Pelgrom, S.M.G.J., 117 Glynn, A.W., Norrgren, L. and Müssener, Å., Differences in uptake of inorganic mercury and cadmium in the gills of the zebrafish, *Brachydanio* rerio, 13

Goel, S., Lenz, S.D., Lumlertdacha, S., Lovell, R.T., Shelby, R.A., Li, M., Riley, R.T. and Kemppainen, B.W., Sphingolipid levels in catfish consuming *Fusarium moniliforme* corn culture material containing fumonisins, 285

Govers, H.A.J., see Loonen, H., 153 Gozzo, S., Perretta, G., Andreozzi, U., Monaco, V. and Rossiello, E., Neuropathology induced by trimethyltin in the central nervous system of the urodele *Triturus carnifex*, 1

Holmström, T., see Lilius, H., 47

Isomaa, B., see Lilius, H., 47

Jong, M.C.B.-d., see Kraak, M.H.S., 77

Kemppainen, B.W., see Goel, S., 285
Kime, D.E., see Singh, P.B., 237
Knoph, M.B. and Olsen, Y.A., Subacute toxicity of ammonia to Atlantic salmon (Salmo salar L.) in seawater: effects on water and salt balance, plasma cortisol and plasma ammonia levels, 295

Köhler, H.-R., see Triebskorn, R., 199 Köhler, H.-R., see Triebskorn, R., 189 Körtje, K.-H., see Triebskorn, R., 199 Kraak, M.H.S., Wink, Y.A., Stuijfzand, S

Kraak, M.H.S., Wink, Y.A., Stuijfzand, S.C., Jong, M.C.B.-d., de Groot, C.J. and Admiraal, W., Chronic ecotoxicity of Zn and Pb to the zebra mussel *Dreissena polymorpha*, 77 Kumar, S., see Steward, A.R., 225

Lamers, L.P.M., see Pelgrom, S.M.G.J., 117 Leavitt, D.F., see Moore, M.J., 183

Lenz, S.D., see Goel, S., 285

Levine, S.L., Oris, J.T. and Wissing, T.E., Comparison of P-4501A1 monooxygenase induction in gizzard shad (*Dorosoma cepedianum*) following intraperitoneal injection or continuous waterborne-exposure with benzo[a]pyrene: Temporal and dose-dependent studies, 61

Li, M., see Goel, S., 285

Lilius, H., Isomaa, B. and Holmström, T., A comparison of the toxicity of 50 reference chemicals to freshly isolated rainbow trout hepatocytes and *Daphnia magna*, 47

Lock, R.A.C., see Stouthart, A.J.H.X., 137 Lock, R.A.C., see Pelgrom, S.M.G.J., 117

Loonen, H., Tonkes, M., Parsons, J.R. and Govers, H.A.J., Bioconcentration of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans in guppies after aqueous exposure to a complex PCDD/PCDF mixture: relationship with molecular structure, 153

Lovell, R.T., see Goel, S., 285

Lowe, D.M. and Pipe, R.K., Contaminant induced lysosomal membrane damage in marine mussel digestive cells: an in vitro study, 357

Lumlertdacha, S., see Goel, S., 285

Maslanka, R., see Steward, A.R., 225

Monaco, V., see Gozzo, S., 1

Moore, M.J., Leavitt, D.F., Shumate, A.M., Alatalo, P. and Stegeman, J.J., A cell proliferation assay for small fish and aquatic invertebrates using bath exposure to bromodeoxyuridine, 183

Murk, A.J., Bosveld, A.T.C., den Berg, M.v. and Brouwer, A., Effects of polyhalogenated aromatic hydrocarbons (PHAHs) on biochemical parameters in chicks of the common tern (Sterna hirundo), 91

Müssener, Å., see Glynn, A.W., 13

Negele, R.-D., see Triebskorn, R., 199 Negele, R.-D., see Triebskorn, R., 189 Norrgren, L., see Engwall, M., 311 Norrgren, L., see Glynn, A.W., 13

Olsen, Y.A., see Knoph, M.B., 295 Opperhuizen, A., see Sijm, D.T.H.M., 325 Oris, J.T., see Levine, S.L., 61

Parsons, J.R., see Loonen, H., 153 Pärt, P., see Sijm, D.T.H.M., 325 Pelgrom, S.M.G.J., Lamers, L.P.M., Garritsen, J.A.M., Pels, B.M., Lock, R.A.C., Balm, P.H.M. and Bonga, S.E.W., Interactions between copper and cadmium during single and combined exposure in juvenile tilapia *Oreochromis mossambicus*: Influence of feeding condition on whole body metal accumulation and the effect of the metals on tissue water and ion content, 117

Pels, B.M., see Pelgrom, S.M.G.J., 117
Perretta, G., see Gozzo, S., 1
Pipe, R.K., see Lowe, D.M., 357
Pipe, R.K., see Coles, J.A., 367
Porte, C., see Solé, M., 271

Rahmann, H., see Triebskorn, R., 189 Rahmann, H., see Triebskorn, R., 199 Rich, H.W., see Gälli, R., 259 Riley, R.T., see Goel, S., 285 Rossiello, E., see Gozzo, S., 1

Schlatter, C., see Tencalla, F.G., 215 Scholtz, R., see Gälli, R., 259 Shelby, R.A., see Goel, S., 285 Shumate, A.M., see Moore, M.J., 183

Sijm, D.T.H.M., Verberne, M.E., Pärt, P. and Opperhuizen, A., Experimentally determined blood and water flow limitations for uptake of hydrophobic compounds using perfused gills of rainbow trout (*Oncorhynchus mykiss*): Allometric applications, 325

Sikka, H.C., see Steward, A.R., 225

Singh, P.B. and Kime, D.E., In vivo incorporation of [1- 14 C]acetic acid into liver lipids of goldfish, *Carassius auratus*, during γ -hexachlorocyclohexane exposure, 237

Solé, M., Porte, C. and Albaigés, J., Mixed-function oxygenase system components and antioxidant enzymes in different marine bivalves: its relation with contaminant body burdens, 271

Spanings, F.A.T., see Stouthart, A.J.H.X., 137

Stegeman, J.J., see Moore, M.J., 183

Steward, A.R., Elmarakby, S.A., Maslanka, R., Kumar, S. and Sikka, H.C., Metabolic fate and disposition of 2-acetylaminofluorene in rainbow trout, *Oncorhynchus mykiss*, 225

Stouthart, A.J.H.X., Spanings, F.A.T., Lock, R.A.C. and Bonga, S.E.W., Effects of low water pH on lead toxicity to early life stages of the common carp (*Cyprinus carpio*), 137

Stuijfzand, S.C., see Kraak, M.H.S., 77

Tencalla, F.G., Dietrich, D.R. and Schlatter, C., Toxicity of *Microcystis aeruginosa* peptide toxin to yearling rainbow trout (*Oncorhynchus mykiss*), 215 Tonkes, M., see Loonen, H., 153

Triebskorn, R., Köhler, H.-R., Körtje, K.-H., Negele, R.-D., Rahmann, H. and Braunbeck, T., Evaluation of bis(tri-n-butyltin)oxide (TBTO) neurotoxicity in rainbow trout (Oncorhynchus mykiss). II. Ultrastructural diagnosis and tin localization by energy filtering transmission electron microscopy (EFTEM), 199

Triebskorn, R., Köhler, H.-R., Flemming, J., Braunbeck, T., Negele, R.-D. and Rahmann, H., Evaluation of bis(tri-n-butyltin)oxide (TBTO) neurotoxicity in rainbow trout (Oncorhynchus

mykiss). I. Behaviour, weight increase, and tin content, 189

Twitchen, I.D. and Eddy, F.B., Effects of ammonia on sodium balance in juvenile rainbow trout *Oncorhynchus mykiss* Walbaum, 27

Van Ginneken, L., see Blust, R., 343 Verberne, M.E., see Sijm, D.T.H.M., 325

Wink, Y.A., see Kraak, M.H.S., 77 Wissing, T.E., see Levine, S.L., 61